

Applicant: Dan Aharoni, *et al.*  
U.S.S.N.: 10/786,644  
Filing Date: February 25, 2004  
EMC Docket No.: EMC-02-141CIP1

**In the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the Application.

**Listing of Claims:**

1. (Currently amended) A method for determining a configuration for a target data storage system ~~based on input related to a source data storage system including one or more data storage systems, the method comprising includes~~ the steps of:

receiving, from a user interface, identifiers of one or more source data storage systems;

receiving utilization or response time data related to the one or more source data storage systems;

receiving performance characteristics of work performed on the one or more source data storage systems; [[and]]

receiving, from the user interface, a number of boxes to be included in a target data storage system; and

determining and displaying a configuration for [[a]] the target data storage system, wherein components of the target data storage system are selected in response to using the utilization [[or]] and response time data, the number of boxes and the performance characteristics.

2. (currently amended) The method of claim 1, wherein determining the configuration of the target data storage system includes:

determining the configuration of components of the target data storage system;

receiving, from the user interface, a change to the number of boxes in the target data storage system; and

reconfiguring the target data storage system in response to the change to the number of boxes, the utilization and response time and the performance characteristics.

3. (Original) The method of claim 2, wherein determining the configuration of components of the target data storage system is used for load balancing the performance of the target data storage system.

4. (Original) The method of claim 2, wherein determining the configuration of components of the target data storage system is used for determining the storage capacity of the target data storage system.

5. (Original) The method of claim 2, wherein determining the configuration of components of the target data storage system is used for at least partially optimizing performance of the target data storage system.

6. (Original) The method of claim 1, wherein determining the configuration of the target data storage system is used for load balancing the performance of the target data storage system.

7. (Original) The method of claim 1, wherein determining the configuration of the target data storage system is used for determining the storage capacity of the target data storage system.

8. (Original) The method of claim 1, wherein determining the configuration of the target data storage system is used for at least partially optimizing performance of the target data storage system.

9. (currently amended) A system for determining a configuration for a target data storage system ~~based on input related to a source data storage system including one or more data storage systems, the system comprising:~~

    a computer having a memory and a display;  
    computer-executable program code operating in memory, wherein the computer-executable program code is configured for execution of the following steps:  
        receiving, from a user interface, identifiers of one or more source data storage systems;  
        receiving utilization or response time data related to the one or more source data storage systems;  
        receiving performance characteristics of work performed on the one or more source data storage systems; [[and]]  
        receiving, from the user interface, a number of boxes to be included in a target data storage system; and  
        determining and displaying a configuration for a target data storage system, the target data storage system determined in response to [[using]] the utilization, [[or]] response time data, number of boxes and performance characteristics.

Applicant: Dan Aharoni, *et al.*  
U.S.S.N.: 10/786,644  
Filing Date: February 25, 2004  
EMC Docket No.: EMC-02-141CIP1

10. (currently amended) The system of claim 9, wherein determining configuration of the target data storage system includes;

determining the configuration of components of the target data storage system;  
receiving, from the user interface, a change to the number of boxes in the target data storage system; and  
reconfiguring the target data storage system in response to the change to the number of boxes, the utilization and response time and the performance characteristics.

11. (Original) The system of claim 10, wherein determining the configuration of components of the target data storage system is used for load balancing the performance of the target data storage system.

12. (Original) The system of claim 10, wherein determining the configuration of components of the target data storage system is used for determining the storage capacity of the target data storage system.

13. (Original) The system of claim 10, wherein determining the configuration of components of the target data storage system is used for at least partially optimizing performance of the target data storage system.

14. (Original) The system of claim 9, wherein determining the configuration of the target data storage system is used for load balancing the performance of the target data storage system.

Applicant: Dan Aharoni, *et al.*  
U.S.S.N.: 10/786,644  
Filing Date: February 25, 2004  
EMC Docket No.: EMC-02-141CIP1

15. (Original) The system of claim 9, wherein determining the configuration of the target data storage system is used for determining the storage capacity of the target data storage system.
16. (Original) The system of claim 9, wherein determining the configuration of the target data storage system is used for at least partially optimizing performance of the target data storage system.
17. (cancelled)
18. (cancelled) .
19. (cancelled)
20. (cancelled)
21. (cancelled)
22. (cancelled)
23. (cancelled)
24. (cancelled)